

ABSTRACT OF THE DISCLOSURE

An extrusion die includes an inner die portion having a male form. The male form has a male complex shape with peaks and a valley. An outer die portion is included having a female form. The female form has a female complex shape with peaks and a valley which corresponds to the male complex shape of the male form. The female complex shape surrounds and is separated from the male complex shape by a gap. Flowable material is capable of being extruded through the gap between the male and female complex shapes to form a hollow profile. An adjustment mechanism is included having an outer member which surrounds the outer die portion. At least eight adjustment screws are threaded through the outer member and engage the outer die portion at equidistant angular locations. This enables controlled adjustment of the female complex shape relative to the male complex shape for adjusting the gap, and for adjusting the position and orientation of the corresponding peaks and valleys of the male and female complex shapes relative to each other.